

MapInfo - Netscape

File Edit View Go Communicator Help

MAPInfo

1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998

11 12 13 10

US 3,989,193

Motoren- und Turbinen-Union
München GmbH M.A.N.
Maybach Mercedes-Benz

US 3,989,192

Motoren- und Turbinen-Union
München GmbH M.A.N.
Maybach Mercedes-Benz

US 4,050,339

Motoren- und Turbinen-Union
München GmbH M.A.N.
Maybach Mercedes-Benz

Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device

Inventor Name: Vucelja, Ralph; Jabs, Alfred

Application Date: 02/24/1975 • Issue Date: 11/02/1976

U.S. Class: 239/265.350 • Int. Class: B64C 015/04; B64

Claims: 9 • Ind. Claims: 2 • Cited Patents: 6 • Citing Patents: 7

1st Cl. Terms: 63 • Ex. Cl. Terms: 63 • 1st Cl. Elements: 1 • Ex. Cl. Elements: 1

Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device

Inventor Name: Enderle, Heinrich; Jabs, Alfred

Application Date: 02/28/1975 • Issue Date: 11/02/1976

U.S. Class: 239/265.350 • Int. Class: B64C 015/08

Claims: 11 • Ind. Claims: 4 • Cited Patents: 6 • Citing Patents: 2

1st Cl. Terms: 33 • Ex. Cl. Terms: 33 • 1st Cl. Elements: 1 • Ex. Cl. Elements: 1

Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Shaft coupling

Inventor Name: Stiegherr, Rudolf; Ruecker, Gerhard

Application Date: 07/22/1975 • Issue Date: 08/23/1977

U.S. Class: 464/177 • Int. Class: F16D 003/24

Claims: 7 • Ind. Claims: 1 • Cited Patents: 5 • Citing Patents: 2

1st Cl. Terms: 40 • Ex. Cl. Terms: 40 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0

Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Thermodynamic prime mover with heat exchanger

Inventor Name: Kappler, Guenter; Fehler, Adolf

Application Date: 09/08/1975 • Issue Date: 08/27/1977

U.S. Class: 060/039 511 • Int. Class: F02C 007/10; F02

Claims: 8 • Ind. Claims: 2 • Cited Patents: 9 • Citing Patents: 3

1st Cl. Terms: 43 • Ex. Cl. Terms: 43 • 1st Cl. Elements: 1 • Ex. Cl. Elements: 1

Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Combination bathroom stool and toilet

Inventor Name: Merchan, Mercedes A.

javascript:GisPageTop(1548)

Figure 1

MapInfoOnline - Netscape

File Edit View Go Database Help

10/14/1994 10:14:42 AM

50

Search Home Abstract Inventor U.S. Class Int. Class

1 10

Next

Back Forward Stop Refresh

Class Count Strength MV List

US 5,743,553
Mercedes-Benz AG

Active suspension system
Inventor Name: Nagel, Guenter; Winkler, Martin
Application Date: 04/24/1995 • Issue Date: 04/28/1998
U.S. Class: 001/001 • Int. Class: B60G 01/126
Claims: 9 • Ind. Claims: 1 • Cited Patents: 3 • Citing Patents: 0
1st Cl. Terms: 41 • Ex. Cl. Terms: 41 • 1st Cl. Elements: 3 • Ex. Cl. Elements: 3
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 4,161,793
Mercedes-Benz AG

Combination bathroom stool and toilet
Inventor Name: Merchan, Mercedes A
Application Date: 03/15/1978 • Issue Date: 07/24/1979
U.S. Class: 004/476 • Int. Class: A47K 01/02, A61
Claims: 5 • Ind. Claims: 1 • Cited Patents: 9 • Citing Patents: 2
1st Cl. Terms: 70 • Ex. Cl. Terms: 70 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 5,337,439
Mercedes-Benz AG

Headlamp cleaning unit for the front area of a motor vehicle
Inventor Name: Frey, Wolfram; Trube, Hans
Application Date: 11/27/1991 • Issue Date: 08/16/1994
U.S. Class: 015/250, 002 • Int. Class: B60S 001/18, B60
Claims: 4 • Ind. Claims: 1 • Cited Patents: 2 • Citing Patents: 0
1st Cl. Terms: 49 • Ex. Cl. Terms: 49 • 1st Cl. Elements: 4 • Ex. Cl. Elements: 4
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 5,819,163
Mercedes-Benz AG

Windshield wiper for a window with a constant radius of curvature
Inventor Name: Siegel, Gunter; Ott, Alfred; Kelz, Michael
Application Date: 11/30/1995 • Issue Date: 10/13/1998
U.S. Class: 015/250, 351 • Int. Class: B60S 001/32
Claims: 1 • Ind. Claims: 1 • Cited Patents: 7 • Citing Patents: 0
1st Cl. Terms: 45 • Ex. Cl. Terms: 45 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 5,103,529

Support bearing with retainer
Inventor Name: Konig, Werner
Application Date: 03/25/1991 • Issue Date: 04/14/1992
U.S. Class: 018/002, 100 • Int. Class: B60 055/00, B62
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Change Page (top) US (3,553)

Figure 5

MapInfo - Netscape

File Edit View Go Communications Help

MapInfo
Line
Area
Point
Object
Window
Database
Tools
Help

Sort Order New Assignments Inventor U.S. Class Int. Class
1 10
Next

60 61 62 63 64 65 66

Front face of a vehicle wheel
Inventor Name: Mattin, Stephen
Application Date: 12/30/1991
U.S. Class: D12/211 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 1 • Citing Patents: 3
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Truck cab body
Inventor Name: Lechner, Werner K.
Application Date: 07/24/1989 • Issue Date: 01/14/1992
U.S. Class: D12/086 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 3 • Citing Patents: 3
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Motor vehicle exterior body
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter; Guenak, Murat
Application Date: 03/30/1994 • Issue Date: 06/13/1996
U.S. Class: D12/092 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 2 • Citing Patents: 9
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Automobile instrument panel
Inventor Name: Pfeiffer, Peter; Futschik, Hans; Dieter, Juraschek, Romuald
Application Date: 09/30/1994 • Issue Date: 07/23/1996
U.S. Class: D12/192 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 3 • Citing Patents: 7
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Automobile
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter
Application Date: 06/06/1991 • Issue Date: 05/03/1994
U.S. Class: D12/082 • Int. Class: null

US D335,859
Mercedes-Benz

US D323,134
Mercedes-Benz Do Brasil S.A.

US D372,680
Mercedes-Benz AG

US D372,010
Mercedes-Benz AG

US D346,570

JavaScript: ChangePage(0,1,1,1)

Figure 6

MapIDOutline - Netscape

File Edit View Go Communicator Help

US D332,467
Mercedes-Benz AG

US D369,909
Mercedes-Benz AG

US D364,339
Mercedes-Benz
Aktiengesellschaft

US D368,448
Mercedes-Benz AG

Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Front face of a vehicle wheel

Inventor Name: Gallitzendorfer, Josef
Application Date: 04/06/1990 • Issue Date: 06/30/1992
U.S. Class: D12/211 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 2 • Citing Patents: 0
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Front face of a vehicle instrument panel

Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter; Juraschek, Romuald
Application Date: 08/26/1994 • Issue Date: 05/21/1996
U.S. Class: D12/192 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 3 • Citing Patents: 5
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Rear light of an automobile

Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter
Application Date: 08/25/1993 • Issue Date: 11/14/1995
U.S. Class: D26/028 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 5 • Citing Patents: 4
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Automobile

Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef
Application Date: 08/18/1994 • Issue Date: 0
U.S. Class: D12/092 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 1 • Citing Patents: 0
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

PatentNumber: 70
Assignee: Inventor
Title: Class
USSubClass: IPC
PatentReferences: PatentCitations
Abstract: Version Release of August 12, 1999
Claims: ApplicationDate
IssueDate

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Patents per page: 10 • View Patent • Search Filter Off

71

Figure 7

MapInfo - Netscape

File Edit View Go Communication Help

71

US D327,467
Mercedes-Benz AG

US D369,999
Mercedes-Benz AG

US D364,230
Mercedes-Benz Aktiengesellschaft

US D365,448
Mercedes-Benz AG

Front face of a vehicle wheel
Inventor Name: Gallitzendorfer, Josef
Application Date: 04/06/1990 • Issue Date: 06/30/1992
U.S. Class: D12/211 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 2 • Citing Patents: 0
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Front face of a vehicle instrument panel
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter; Juraschek, Romuald
Application Date: 08/26/1994 • Issue Date: 05/21/1996
U.S. Class: D12/192 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 3 • Citing Patents: 5
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Rear light of an automobile
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter
Application Date: 08/25/1993 • Issue Date: 11/14/1995
U.S. Class: D28/026 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 5 • Citing Patents: 4
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Automobile
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter
Application Date: 08/18/1994 • Issue Date: 04/02/1996
U.S. Class: D12/092 • Int. Class: null
Claims: 1 • Ind. Claims: 0 • Cited Patents: 1 • Citing Patents: 7
1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

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Patents per page: 10 • View Patent • Data Format: 01/31/1999
Instrument panel • Title • Search • Filter On

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Figure 8

Year	1970	1972	1974	1976	1978	1980	1982	1984	1986	1988	1990	1992	1994	1996	1998
MARQ	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971	12/31/1971
Older	Newest	Abstract	Inventor	U.S. Class	Int. Class.	On To	Search	Find	Ella	Class	Count	Month	Year	Day	Hour
<p>Current Filter: Title = instrument panel</p> <p>Instrument panel in a motor vehicle Inventor Name: Ball, Johannes; Henseler, Wolfgang; Gerstenberg, Uwe; Fischer, Thomas Application Date: 09/29/1994 • Issue Date: 01/30/1996 U.S. Class: 280/728-300 • Int. Class: B60R 02/16 Claims: 6 • Ind. Claims: 2 • Cited Patents: 1 • Citing Patents: 6 1st Cl. Terms: 38 • Ex. Cl. Terms: 38 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image</p> <p>Front face of a vehicle instrument panel Inventor Name: Sacco, Bruno; Gallizenda, Peter; Josef, Pfeiffer; Peter, Juraschek; Romuald Application Date: 08/26/1994 • Issue Date: 05/21/1996 U.S. Class: D12/192 • Int. Class: null Claims: 1 • Ind. Claim: 1 • Cited Patents: 0 • Ex. Cl. Terms: 0 • Ex. Cl. Elements: 0 • 1st Cl. Elements: 0 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image</p> <p>Instrument panel for a motor vehicle Inventor Name: Henseler, Wolfgang Application Date: 09/29/1994 • Issue Date: 06/11/1996 U.S. Class: 280/728-300 • Int. Class: B60R 02/12; B60 Claims: 16 • Ind. Claims: 1 • Cited Patents: 4 • Citing Patents: 1 1st Cl. Terms: 57 • Ex. Cl. Terms: 57 • 1st Cl. Elements: 1 • Ex. Cl. Elements: 1 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image</p> <p>Automobile Instrument panel Inventor Name: Pfeiffer, Peter; Futschik, Hans; Dieter, Juraschek, Romuald Application Date: 09/30/1994 • Issue Date: 07/23/1996 U.S. Class: D12/192 • Int. Class: null Claims: 1 • Ind. Claims: 0 • Cited Patents: 3 • Citing Patents: 7 1st Cl. Terms: 0 • Ex. Cl. Terms: 0 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image</p>															

Figure 9

Figure 10

MepiOffline - Netscape
File Edit View Go Communicator Help
MepiOffline 2.0.0.21999

4. Process according to claim 2, wherein said separating is done prior to applying the foamed-plastic layer.

5. Process according to claim 3, comprising releasably connecting the rigid reinforcement panel of the cover section adjacent rigid reinforcement panel structure during application of foam to form the foamed-plastic layer.

6. Process according to claim 2, wherein said separating is done after applying the foamed-plastic layer.

References Cited

U.S. PATENT DOCUMENTS

Number	Issue Date	Inventor	U.S. Class	Title
5,035,444				

Citing Patents

U.S. PATENT DOCUMENTS

Number	Issue Date	Inventor	U.S. Class	Title
5,826,938				
5,641,177				
5,810,388				
5,871,229				
5,779,262				
5,590,903				

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Patents per page: 10 View Patent Date Format: 01/31/1999
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Document Date

Figure 11

MapInfo - Netscape
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4. Process according to claim 2, wherein said separating is done prior to applying the foamed-plastic layer.

5. Process according to claim 3, comprising releasably connecting the rigid reinforcement panel of the cover section adjacent rigid reinforcement panel structure during application of foam to form the foamed-plastic layer.

6. Process according to claim 2, wherein said separating is done after applying the foamed-plastic layer.

References Cited

U.S. PATENT DOCUMENTS

Number	Issue Date	Inventor	U.S. Class	Title
5,035,444				

Citing Patents

U.S. PATENT DOCUMENTS

Number	Issue Date	Inventor	U.S. Class	Title
5,826,938				
5,641,177				
5,810,389				
5,871,239				
5,779,262				
5,590,903				

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Document Date

Figure 12

Abstract

The instrument panel in a motor vehicle exhibits an interior, rigid reinforcement panel, a foamed-plastic layer located thereabove and an outer skin which covers said layer. A cover which likewise exhibits this construction is integrated into the instrument panel in front of an airbag unit, which cover, in the event of a crash, can move away and releases an opening through which an airbag can unfold out of its receiving container behind the instrument panel. The reinforcement portion of the cover is a separated-off part of the adjoining reinforcement-panel surface. The process for producing an instrument panel of this type is carried out such that, before or after foaming of the entire reinforcement panel, the opening cover is separated from said panel.

Claims

What is claimed is:

1. Instrument panel arrangement in a motor vehicle comprising:

- an interior rigid reinforcement panel,
- a foamed-plastic layer located above the reinforcement panel,
- an outer skin which covers said foamed-plastic layer,
- a cover section integrated into the instrument panel for covering an airbag unit, said cover section exhibiting a similar reinforcement panel, foamed-plastic layer, and outer skin as the adjacent instrument panel arrangement,

wherein the cover section is configured to move away and release an opening through which an airbag can unfold out of a receiving container of the airbag unit behind the instrument panel; and

wherein the similar reinforcement panel of the cover section is an adjoining part of said reinforcement panel separated from said reinforcement panel via cuts formed at an angle other than perpendicular to a plane of the reinforcement panel.

2. Process for producing an instrument panel arrangement in a motor vehicle comprising

- an interior rigid reinforcement panel,
- a foamed-plastic layer located above the reinforcement panel,
- an outer skin which covers said foamed-plastic layer,

Figure 13

Claims

What is claimed is

1. Instrument panel arrangement in a motor vehicle comprising:

- an interior rigid reinforcement panel,
- a foamed-plastic layer located above the reinforcement panel,
- an outer skin which covers said foamed-plastic layer,
- a cover section integrated into the instrument panel for covering an airbag unit, said cover section exhibiting a similar reinforcement panel, foamed-plastic layer, and outer skin as the adjacent instrument panel arrangement,
- wherein the cover section is configured to move away and release an opening through which an airbag can unfold out of a receiving container of the airbag unit behind the instrument panel, and
- wherein the similar reinforcement panel of the cover section is an adjoining part of said reinforcement panel separated from said reinforcement panel via cuts formed at an angle other than perpendicular to a plane of the reinforcement panel.

2. Process for producing an instrument panel arrangement in a motor vehicle comprising:

- an interior rigid reinforcement panel,
- a foamed-plastic layer located above the reinforcement panel,
- an outer skin which covers said foamed-plastic layer,
- a cover section integrated into the instrument panel for covering an airbag unit, said cover section exhibiting a similar reinforcement panel foamed-plastic layer and outer skin as the adjacent instrument panel structure,
- wherein the cover section is configured to move away and release an opening through which an airbag can unfold out of a receiving container of the airbag unit behind the instrument panel, and
- wherein the rigid reinforcement panel of the cover is a separated-off part of adjoining rigid reinforcement panel structure.

U.S. PATENT DOCUMENTS

5,035,414 7/1991 Carter 280/728.3

FOREIGN PATENT DOCUMENTS

465869 1/1992 European Pat. Off.

that, before or after foaming of the entire reinforcement panel, the opening cover is separated from said panel.

6 Claims, 1 Drawing Sheet

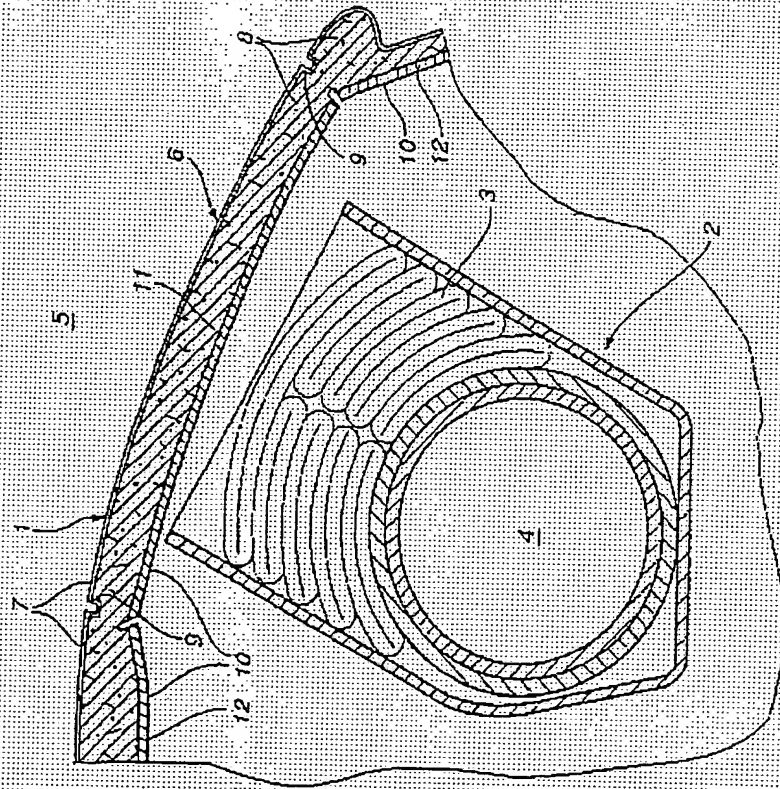


Figure 15

Toll-free 1-800-967-1001

Figure 16

MapInfoOnline - Netscape
File Edit View Go Communicator Help

1/11 12/31/99
Oldest Newest

1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998

1 10 Next

US 5,143,553
Mercedes-Benz AG

Active suspension system
Inventor Name: Nagel, Guenter; Winkler, Martin
Application Date: 04/24/1995 • Issue Date: 04/28/1998
U.S. Class: 001/001 • Int. Class: B60G 01/28
Claims: 9 • Ind. Claims: 1 • Cited Patents: 3 • Citing Patents: 0
1st Cl. Terms: 41 • Ex. Cl. Terms: 41 • 1st Cl. Elements: 3 • Ex. Cl. Elements: 3
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

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Patents per page: 10 • View Patent: 82 • Date Patent: 10/731/1999

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Document Done

Figure 18

MapInfo - Netscape

File Edit View Go Communicator Help

MAPInfo Back

Send Open Recent Address Book Favorites Home

Classy Coding Spanish MVEB

Focus Patent: US 5,896,942 • Steering apparatus for a motor vehicle • Mercedes-Benz AG

Show only patents that share U.S. Class and at least one reference with the focus patent.

64

Steering apparatus for a motor vehicle
 Inventor Name: Bohner, Hubert; Moser, Martin
 Application Date: 06/10/1997 • Issue Date: 04/27/1999
 U.S. Class: 180/402 • Int. Class: B62D 005/00
 Claims: 19 • Ind. Claims: 3 • Cited Patents: 8 • Citing Patents: 0
 1st Cl. Terms: 31 • Ex. Cl. Terms: 31 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Steering system for a non-track vehicle
 Inventor Name: Bohner, Hubert; Moser, Martin
 Application Date: 12/12/1996 • Issue Date: 03/23/1999
 U.S. Class: 180/402 • Int. Class: B62D 005/09
 Claims: 20 • Ind. Claims: 10 • Cited Patents: 11 • Citing Patents: 0
 1st Cl. Terms: 34 • Ex. Cl. Terms: 34 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Reaction simulator especially for a vehicle steering system
 Inventor Name: Bohner, Hubert; Moser, Martin; Gerdes, Karsten
 Application Date: 10/18/1996 • Issue Date: 09/08/1998
 U.S. Class: 180/443 • Int. Class: B62D 005/04
 Claims: 5 • Ind. Claims: 1 • Cited Patents: 5 • Citing Patents: 0
 1st Cl. Terms: 41 • Ex. Cl. Terms: 41 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
 Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

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Patents per page: 10 • View Patent • Date Format: 01/31/1999
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JavaScript: doc/Java/Forms01.D

Figure 19

MapitOffline - Netscape

File Edit View Go Communicator Help

MapitOffline

Set User Strength Coefficients

1.0 * [Number of Claims] +
 4.0 * [Number of Independent Claims] +
 8.0 * [Number of Citations] +
 0.1 * [Number of First Claim Terms] +
 -0.1 * [Number of Exemplary Claim Terms] +
 -0.1 * [Number of First Claim Elements] +
 -0.1 * [Number of Exemplary Claim Elements]

1 3 4 8 -1 -1 -1 -1

Set User Strength Coefficients

1 3 4 8 -1 -1 -1 -1

Calculate

Caution: this takes about 1.5 minutes per 1000 patents

Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indep. Claims	Cits	1st Cl. Terms	Ex. Cl. Terms	1st Cl. Elements	Ex. Cl. Elements
US 5,341,207	Apparatus and method for preventing instabilities in vehicle handling	326	282	19	3	38	46	46	1	1
US 5,471,388	Method and apparatus for preventing vehicle handling instabilities	146	61	14	2	17	63	63	1	1
US 5,345,385	Method for detecting driving situation with respect to vehicle yaw behavior	136	81	12	1	16	44	44	1	1
US 5,315,933	Device for recognizing a child's seat which is strapped to the front passenger's seat of a motor vehicle	132	89	16	3	14	38	38	4	4

65

Figure 20

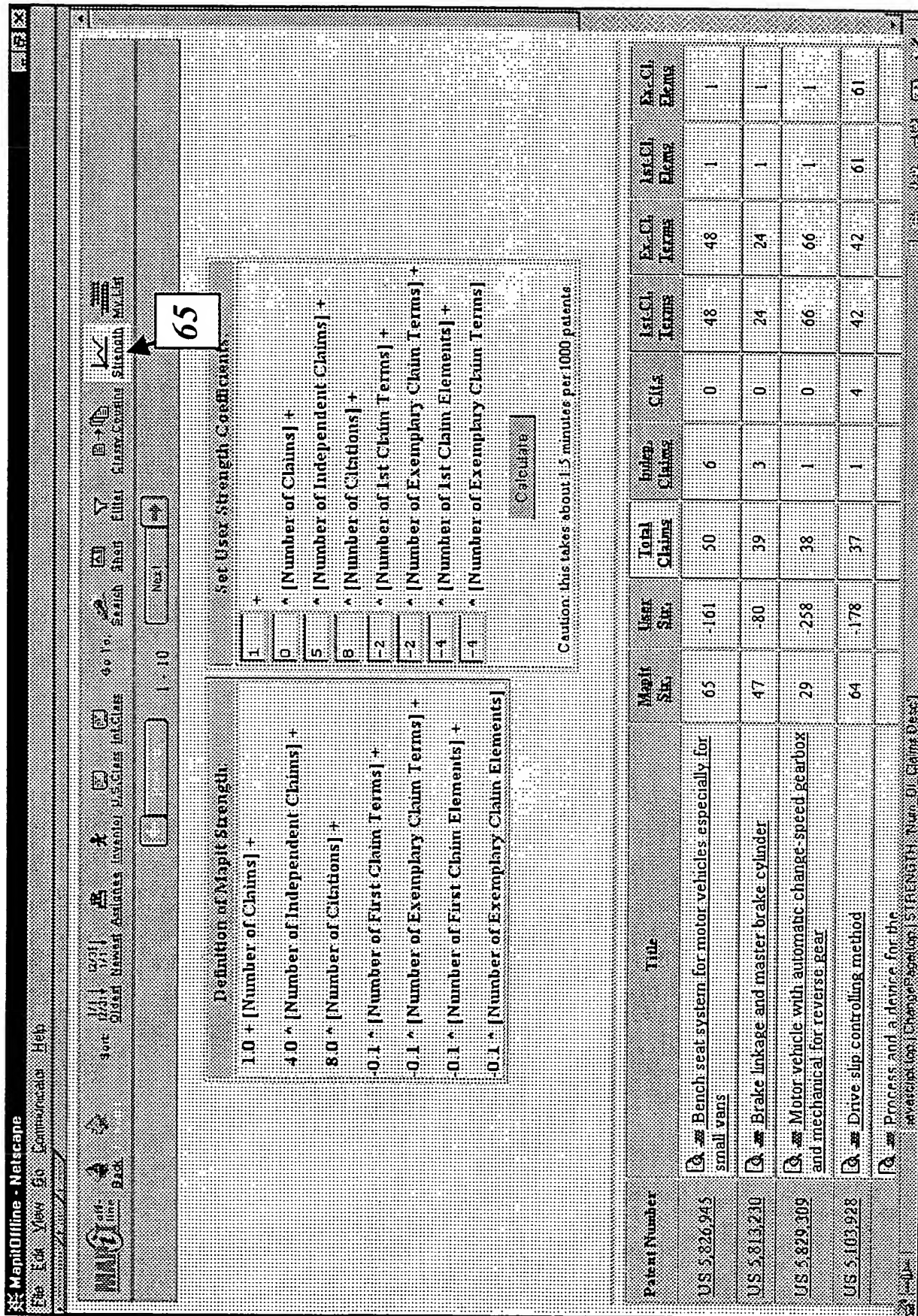


Figure 22.

MapInfo - Netscape

File Edit View Go Communications Help

MAPINFO
for Older Versions
Windows 3.11
Macintosh
UNIX

1-10 Next

65

Definition of Mapit Strength:

- $1.0 + [\text{Number of Claims}] +$
- $-4.0 * [\text{Number of Independent Claims}] +$
- $8.0 * [\text{Number of Citations}] +$
- $-0.1 * [\text{Number of First Claim Terms}] +$
- $-0.1 * [\text{Number of Exemplary Claim Terms}] +$
- $-0.1 * [\text{Number of First Claim Elements}] +$
- $-0.1 * [\text{Number of Exemplary Claim Elements}]$

Set User Strength Coefficient:

1	+ [Number of Claims]
0	+ [Number of Independent Claims]
5	+ [Number of Citations]
8	+ [Number of 1st Claim Terms]
-2	+ [Number of Exemplary Claim Terms]
-2	+ [Number of 1st Claim Elements]
-4	+ [Number of Exemplary Claim Terms]
-4	+ [Number of Exemplary Claim Elements]

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Caution: this takes about 1.5 minutes per 1000 patents.

Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indem. Claims	Cits	1st Cl. Terms	Ex-Cl. Terms	1st Cl. Elms	Ex-Cl. Elms
US 5,341,297	Apparatus and method for preventing instabilities in vehicle handling	326	136	19	3	38	46	46	1	1
US 5,471,388	Method and apparatus for preventing vehicle handling instabilities	146	-105	14	2	17	63	63	1	1
US 5,345,185	Method for detecting driving situation with respect to vehicle yaw behavior	136	-42	12	1	16	44	44	1	1
US 5,515,933	Device for recognizing a child's seat which is attached to the front passenger's seat of a motor vehicle	132	-56	16	3	14	38	38	41	41

Navigation: Change Page(s) | STRENGTH | Num Of Citations Descr |

Figure 24

MapInfoOffline - Netscape
File Edit View Go Communication Help

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Son Classed Patent Assistant (version 1.0.1) Class Int Class

1.10 Next

65

Set User Strength Coefficients

Definition of Mapit Strength

1.0 * [Number of Claims] +
4.0 * [Number of Independent Claims] +
8.0 * [Number of Citations] +
-0.1 * [Number of First Claim Terms] +
-0.1 * [Number of Exemplary Claim Terms] +
-0.1 * [Number of First Claim Elements] +
-0.1 * [Number of Exemplary Claim Elements]

1 +
0 * [Number of Claims] +
5 * [Number of Independent Claims] +
8 * [Number of Citations] +
-2 * [Number of First Claim Terms] +
-2 * [Number of Exemplary Claim Terms] +
-4 * [Number of First Claim Elements] +
-4 * [Number of Exemplary Claim Terms]

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Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indep. Claims	Cits	1st Cl. Terms	Ex-Cl. Terms	1st Cl. Elem	Ex-Cl. Elem
US 5,894,010	Optimized gray cast iron plate alloy for utility vehicle brake disks	29	-62	12	5	0	12	12	51	51
US 5,500,262	Weeping hose	6	-54	4	1	0	15	15	1	1
US 5,662,540	Tensioning device for a chain of an internal combustion engine	20	-73	15	2	0	17	17	21	21
US 5,838,251	Method and device for programming operating data into vehicle components	33	-63	20	4	0	17	17	21	21

Revised 1/11/01 ChangePatents 1.5 (RENGTH) Mon 11/11/01 11:11 AM

Figure 25

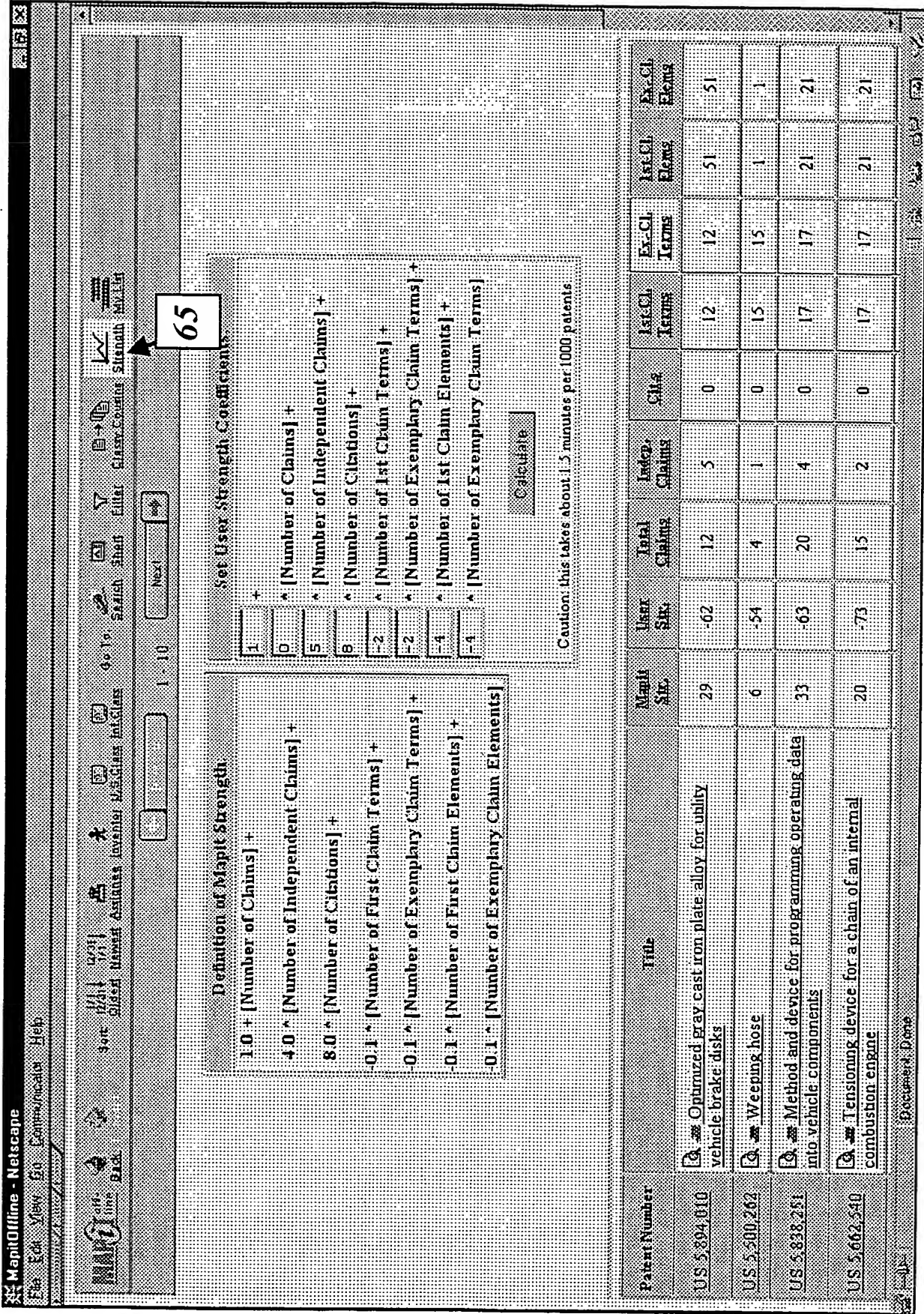


Figure 26

MapitOffline - Netscape
File Edit View Go Communicate Help

Mapit Offline
Back

Sort 1/1 12/31 1/1 12/31
Oldest Newest Ascending Descending Int Class

Search Show Filter Class Count Length Max Len

1 10 Next

65

Definition of Mapit Strength

1.0 * [Number of Claims] +

4.0 * [Number of Independent Claims] +

8.0 * [Number of Citations] +

-0.1 * [Number of First Claim Terms] +

-0.1 * [Number of Exemplary Claim Terms] +

-0.1 * [Number of First Claim Elements] +

-0.1 * [Number of Exemplary Claim Elements]

Set User Strength Coefficients

1 +

0 * [Number of Claims] +

5 * [Number of Independent Claims] +

8 * [Number of Citations] +

-2 * [Number of 1st Claim Terms] +

-2 * [Number of Exemplary Claim Terms] +

-4 * [Number of 1st Claim Elements] +

-4 * [Number of Exemplary Claim Terms]

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Caution: this takes about 1.5 minutes per 1000 patents

Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indem. Claims	Cits	1st Cl. Terms	Ex-Cl. Terms	1st Cl. Elements	Ex-Cl. Elements
US 5,611,572	Arrangement of solenoid valves, a central plug and a printed circuit board on a control housing of an automatic shift device of a toothed-wheel variable-speed gearbox	42	-185	20	2	3	55	55	1	1
US 5,599,070	Process for determination of friction/slip characteristics of the tires of a road vehicle and slip control system for carrying out the process	-4	-378	10	1	0	96	96	1	1
US 5,611,057	Valve actuating system for a multicylinder internal combustion engine	8	-166	12	1	0	43	43	1	1

MapitOffline - Change? Sort? Filter? Int. Class? Title? (A, Sort, Term, Desc)

Figure 27

MapitOffline - Netscape
File Edit View Go Communicator Help
MapitOffline
Set User Strength Coefficients
1 10
65
Set User Strength Coefficients
1 0 + [Number of Claims] +
4 0 * [Number of Independent Claims] +
8 0 * [Number of Citations] +
0 1 * [Number of First Claim Terms] +
0 1 * [Number of Exemplary Claim Terms] +
0 1 * [Number of First Claim Elements] +
0 1 * [Number of Exemplary Claim Elements]
Calculate
Caution: this takes about 1.5 minutes per 1000 patents

Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indep. Claims	Cits	1st CL Terms	Ex-CL Terms	1st CL Elements	Ex-CL Elements
US 5,611,372	Arrangement of solenoid valves, a central plug and a printed circuit board on a control housing of an automatic shift device of a toothed-wheel variable-speed gearbox	42	-185	20	2	3	55	55	1	1
US 5,599,076	Process for determination of friction/slip characteristics of the tires of a road vehicle and slip control system for carrying out the process	-4	-378	10	1	0	96	96	1	1
US 5,601,057	Valve actuating system for a multicylinder internal combustion engine	8	-166	12	1	0	43	43	1	1

Figure 28

MapInfoOutline - Netscape
File Edit View Go Communicate Help

US 4,434,876
Mercedes-Benz Do Brasil S/A

Pneumatic speed limiter for vehicles
Inventor Name: Filho, Angelo I.
Application Date: August 26, 1981 • Issue Date: January 10, 1984
U.S. Class: 180/175 • Int. Class: B60K 031/00; F02
Claims: 13 • Ind. Claims: 2 • Cited Patents: 2 • Citing Patents: 4
1st Cl. Terms: 36 • Ex. Cl. Terms: 36 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 4,431,470
Mercedes-Benz Mercedes

Multiple cell booster battery switch assembly
Inventor Name: Mejia, Santiago
Application Date: October 14, 1983 • Issue Date: April 08, 1986
U.S. Class: 320/103 • Int. Class: H02J 007/00
Claims: 13 • Ind. Claims: 2 • Cited Patents: 2 • Citing Patents: 6
1st Cl. Terms: 35 • Ex. Cl. Terms: 35 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 4,738,735
Mercedes-Benz Mercedes

Method and apparatus for continuously extruding an elastomeric material on the interior of a continuous tubular woven fabric in a loom
Inventor Name: Joncker, Helmut; McAlpine, Richard J.
Application Date: November 05, 1986 • Issue Date: April 19, 1988
U.S. Class: 156/064 • Int. Class: B29D 023/00; B29
Claims: 4 • Ind. Claims: 2 • Cited Patents: 23 • Citing Patents: 6
1st Cl. Terms: 37 • Ex. Cl. Terms: 37 • 1st Cl. Elements: 4 • Ex. Cl. Elements: 4
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

US 4,865,161
Mercedes-Benz Aktiengesellschaft

Connecting element for connecting a line to a component
Inventor Name: Koukal, Heinz; Merk, Helmut
Application Date: June 30, 1988 • Issue Date: September 12, 1989
U.S. Class: 285/197 • Int. Class: F16L 04/08
Claims: 10 • Ind. Claims: 1 • Cited Patents: 10 • Citing Patents: 1
1st Cl. Terms: 55 • Ex. Cl. Terms: 55 • 1st Cl. Elements: 0 • Ex. Cl. Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

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January 31, 1999

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Figure 29

Mannings & Napier
Motoren- und Turbinen-Union
München GmbH M.A.N.
Maybach Mercedes-Benz

US 3,989,193
Motoren- und Turbinen-Union
München GmbH M.A.N.
Maybach Mercedes-Benz

US 4,050,239
Motoren- und Turbinen-Union
München GmbH M.A.N.
Maybach Mercedes-Benz

Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device

Inventor Name: Vedova, Ralph, Jabs, Alfred
Application Date: February 24, 1975 • Issue Date: November 02, 1976
U.S. Class: 239/265.350 • Int. Class: B64C 015/04, B64
Claims: 9 • Ind. Claims: 2 • Cited Patents: 6 • Citing Patents: 7
1st Cl. Terms: 63 • Ex Cl. Terms: 63 • 1st Cl. Elements: 1 • Ex Cl. Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device

Inventor Name: Enderle, Heinrich, Jabs, Alfred
Application Date: February 28, 1975 • Issue Date: November 02, 1976
U.S. Class: 239/265.350 • Int. Class: B64C 015/08
Claims: 11 • Ind. Claims: 4 • Cited Patents: 6 • Citing Patents: 2
1st Cl. Terms: 33 • Ex Cl. Terms: 33 • 1st Cl. Elements: 1 • Ex Cl. Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

Thermodynamic prime mover with heat exchanger

Inventor Name: Kappler, Guenter, Fehler, Adolf
Application Date: September 08, 1975 • Issue Date: September 27, 1977
U.S. Class: 060/039.511 • Int. Class: F02C 007/10, F02
Claims: 8 • Ind. Claims: 2 • Cited Patents: 9 • Citing Patents: 3
1st Cl. Terms: 43 • Ex Cl. Terms: 43 • 1st Cl. Elements: 1 • Ex Cl. Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image

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Figure 31

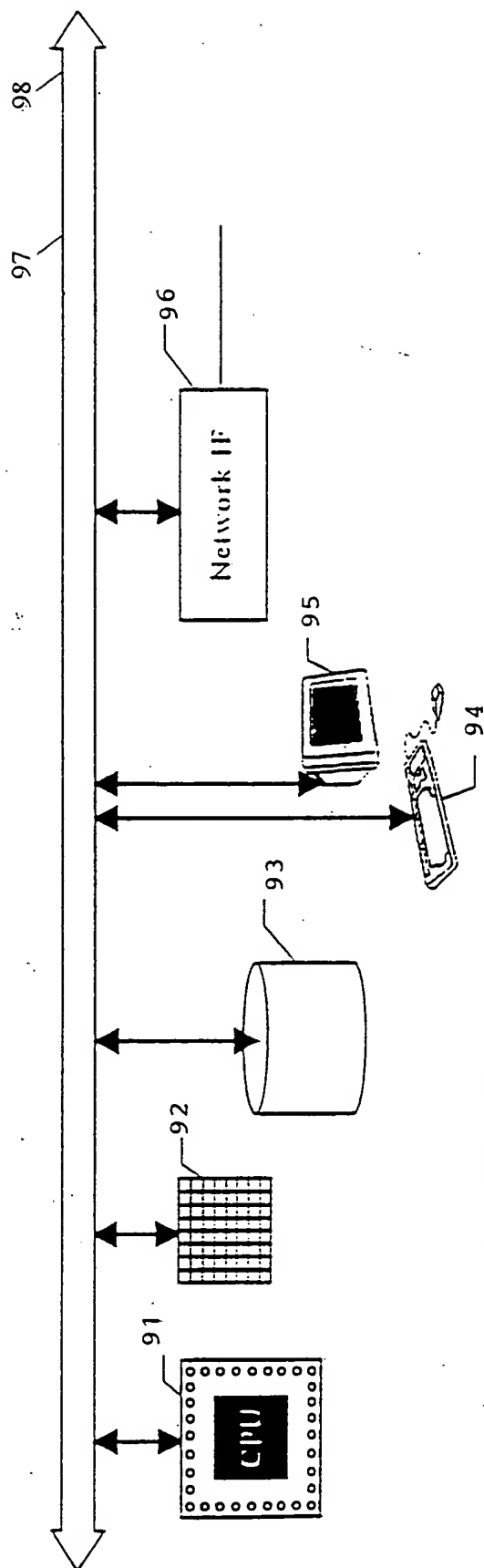


FIGURE 32